

## BADGER STATE

## SMOKE SIGNALS

*For Radio Amateurs • By Radio Amateurs*

Published Monthly Since 1969 • Our 31st Year

Single Copy: \$1.25

Return Address:  
Kenneth A. Ebner  
822 Wauona Trail  
Portage, WI 53901ADDRESS SERVICE  
REQUESTEDBulk Rate  
U.S. Postage  
PAID  
Permit #265  
Portage WI 53901**Vol. 31 No. 3 • 371st Consecutive Monthly Issue • Baraboo, Wisconsin • March 2001****30 Gather to honor Bob Baird, W9NN, the Grand Old Gentleman of Amateur Radio**

Bob Baird, W9NN, Stevens Point, left, accepts honors from fellow QCWA Chapter 174 member Gene Santoski, K9UTQ.

Photo courtesy Gene Santoski, K9UTQ

About thirty hams and friends gathered at the Stage Coach Inn in Mosinee, Wisconsin February 17 to honor and recognize a ham of eighty years, Bob Baird, W9NN. Bob also became 95 years of age on February 18.

Bob is one of the founding fathers of QCWA, and also was part of the beginning of the now famous and popular annual get-

together called "W9DXCC", held in early autumn in Illinois; it's a gathering of Dxers and DX hams.

Most of Bob's working years were at WGN, where he was an engineer.

*Badger State Smoke Signals* congratulates Bob, and we wish him many more happy years of hamming and enjoying life.

73

**LF-to-LF Transatlantic Amateur Contact is Completed**

Amateur Radio history was made this month when amateurs in Canada and the UK completed what appears to be the first two-way transatlantic Amateur Radio exchange on 136 kHz. Larry Kayser, VA3LK, and Lawrence "Laurie" Mayhead, G3AQC, managed the LF feat using extremely slow CW that featured 90-second-long dits and 180-second-long dahs. The two-way contact took two weeks to complete.

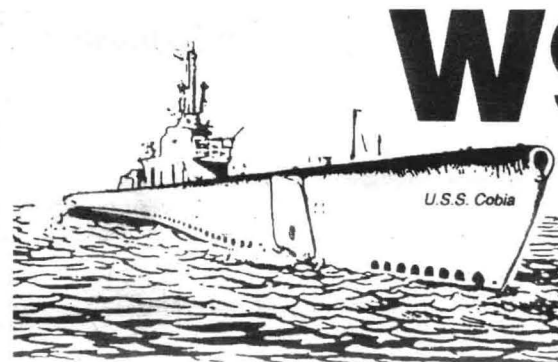
"We are the first to do a two-way QSO on LF across the North Atlantic as far as I am concerned," Kayser said. "We are the ones who put the stakes in the ground; others

will build on what we have done."

The VA3LK-G3AQC contact began February 5 and was completed February 19 with the reception and confirmation of VA3LK's report by G3AQC. Both stations used spectrographic software and computers for receiving. The participants agreed in advance to a "firewall" between them for the duration of the contact and that all QSO information was exchanged over the LF radio link.

The UK has an amateur band at 136 kHz. While Canada has not yet authorized

Please turn to page 6

**Submarines on the air**Manitowoc's *Cobia* to participate*"Confirming our Contact While Aboard the WWII Submarine USS Cobia AGSS-245"***W9DK****MANCORAD ARC**

PO Box 204

Manitowoc, Wisconsin 54221-0204  
U.S.A.Manitowoc County  
Grid EN-64☐ PSE QSL TNX ☐

CONFIRMING QSO WITH:	DATE			UTC	MHZ	RST	MODE 2-WAY
	DAY	MONTH	YEAR				

QSL'S BY N4EZG - (800) 700 2224

Fred Nuenfeldt, W6BSF, is again heading up the Mancord radio club participation in the 5th annual "submarines on-the-air" event. The *Cobia* has come in first place in this event two years in a row.

This year, the event will take place April 28th and 29th and will have over 50 submarine museum ships world wide on the air.

Frequencies are CW: (+/- 7.5 KHz) 3.5042.5, 3742.5, 7.042.5, 7.112.5, 14.042.5, 21.042.5, 21.142.5, 28.042.5, 28.142.5, 50.042.5, 144.042.5.

CW contacts among the submarines are worth double points this year.

SSB frequencies: (+/- 20KHz) 3.943, 7.243, 14.260 (to keep away from SSTV), 21.360 (to keep away from SSTV), 28.343 & 28.443, 50.243, 144.143.

FM on 146.56 simplex.

Jim Flanders, W00OG

1539 California Trail

Plano, TX 75023-4300

972-517-8481

<http://w0oog.50megs.com>

[jaf@sprintmail.com](mailto:jaf@sprintmail.com)

**Wisconsin QSO Party  
Sunday, March 11 CST  
See February BSSS for  
rules and entry form, or  
get them at  
<http://www.WARAC.org>**

**FLIPPING THE PAGES**

What's Happening: Edited by Ken Ebner, K9EN	2
From the ARRL Section Manager - Don Michalski, W9IXG	4
Silent Keys	5, 9
SkyWarn Spotting Season Arrives	5
The Computer Corner - Stan Kaplan, WB9RQR: No. 87 - Bits, Bytes, Sectors and Clusters	6
A Visit with Mike Anuta, W8HKY: By Don Michalski, W9IXG	6
Wisconsin Nets Association	7
Wisconsin Valley Radio Association	7
Lakeshore Repeater Association	8
ManCoRad Radio Club	8
Quarter Century Wireless Association/Southeastern Wisconsin Chapter 162	8
Wisconsin Amateur Packet Radio Association	10
Yellow Thunder Amateur Radio Club	11



# WHAT'S HAPPENING

## Swapfests and Other Social Events — Club Meetings Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901 • [kebnetter@palacenet.net](mailto:kebnetter@palacenet.net)

### Swapfests And Other Social Events

SUNDAY, MARCH 4, 2001. SEWFARS Swapfest, Waukesha Expo Center, 8 a.m. to 2 p.m. Setup starts at 6 a.m. Talkin: 146.82 PL 127.3 Reservation deadline: February 23, 2001 Info: (262) 835-7035

SUNDAY, MARCH 11, 2001. Wisconsin QSO Party Sponsored by the West Allis Radio Amateur Club <http://www.WARAC.org>

SUNDAY, MARCH 25, 2001. NS9Rcfest, Formerly LAMARSfest, Lake County Fairgrounds, Grayslake, IL Sponsored by North Shore Radio Club, Box 1066, Highland Park IL 60035 <http://www.ns9rc.org>

SATURDAY, APRIL 8, 2001. Madison Swapfest, Mandt Community Center, 400 Mandt Parkway, Stoughton, WI Doors open at 8 a.m. Sponsored by MARA/W9HSY P.O. Box 8890, Madison WI 53708-8890 Info Line: (608) 245-8890 <http://www.qsl.net/mara/>

SATURDAY, MAY 5, 2001. Ozaukee Radio and Computer Swapfest 8 a.m. to 1 p.m., Circle B Recreation Center, Intersection of Highway 60 and County Y Info: Ozaukee Radio Club, W55 N865 Cedar Ridge Drive,

Cedarburg, WI 53012

SATURDAY, JUNE 9, 2001. Eau Claire Amateur Radio Club Hamfest 2001. Information: Jim Staatz, KG9RA P.O. Box 1867, Eau Claire WI 54702-1867 Web: <http://www.ecarc.org> Email: [w9eau@ecarc.org](mailto:w9eau@ecarc.org)

SATURDAY, JULY 7, 2001. Hamfest 01, South Milwaukee Amateur Radio Club American Legion Park, Oak Creek Info: Verne at (414) 762-3235

As a service to our readers, this section is available without charge to list your upcoming swapfest, hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to [kebnetter@palacenet.net](mailto:kebnetter@palacenet.net).



### CLUB MEETINGS

We cannot always carry the full listing of club meetings every month. Please see last month's issue for a complete listing of club meeting times and locations. The following is a listing of changes reported to us since the last full listing.

**NORTHWOODS AMATEUR RADIO CLUB**  
Rhinelander, WI

Meetings: Third Tuesdays of September, November,

December, February and April. Ella's Restaurant, Jct. of Highways 51 and 70, north side of Woodruff. Eat at 6 p.m., meet at 7 p.m. Talk-in on Tomahawk or Sayner repeaters. All visitors welcome. Information: <http://www.freeyellow.com/members7/nwarc>

### The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

March 03, 2001	Oshkosh (Omro), WI
March 03, 2001	St. Paul, MN
March 03, 2001	Adams, WI
March 03, 2001	Racine, WI
March 08, 2001	Apple Valley, MN
March 10, 2001	Blaine, MN
March 10, 2001	Madison, WI
March 17, 2001	Loves Park, IL
March 17, 2001	Milwaukee, WI (BE)
March 17, 2001	Cottage Grove, MN
March 18, 2001	Jefferson, WI
March 20, 2001	Eden Prairie, MN
March 20, 2001	Sheboygan, WI
March 24, 2001	Appleton, WI
March 24, 2001	Bloomington, MN
March 24, 2001	Milwaukee, WI (MRAC)
March 24, 2001	Tomahawk, WI
March 30, 2001	Sioux City, IA
March 31, 2001	Menomonie, WI
April 07, 2001	Oshkosh (Omro), WI
April 07, 2001	St. Paul, MN
April 07, 2001	Racine, WI
April 12, 2001	Apple Valley, MN
April 14, 2001	Madison, WI
April 14, 2001	Blaine, MN
April 17, 2001	Eden Prairie, MN
April 21, 2001	Eau Claire, WI
April 21, 2001	Loves Park, IL
April 21, 2001	Milwaukee, WI (BE)
April 21, 2001	Cottage Grove, MN
April 28, 2001	Bloomington, MN
April 28, 2001	Milwaukee, WI (MRAC)
April 28, 2001	Tomahawk, WI
May 05, 2001	Racine, WI
May 05, 2001	Oshkosh (Omro), WI
May 05, 2001	St. Paul, MN
May 10, 2001	Apple Valley, MN
May 12, 2001	Blaine, MN
May 12, 2001	Madison, WI
May 12, 2001	Appleton, WI
May 15, 2001	Eden Prairie, MN
May 19, 2001	La Crosse, WI
May 19, 2001	Cottage Grove, MN
May 19, 2001	Loves Park, IL
May 19, 2001	Sheboygan, WI
May 26, 2001	Bloomington, MN
May 26, 2001	Milwaukee, WI (MRAC)
May 26, 2001	Tomahawk, WI
June 02, 2001	Oshkosh (Omro), WI
June 02, 2001	St. Paul, MN
June 02, 2001	Adams, WI
June 02, 2001	Racine, WI
June 09, 2001	Eau Claire, WI
June 09, 2001	Madison, WI
June 09, 2001	Blaine, MN
June 09, 2001	Eau Claire, WI
June 12, 2001	Eden Prairie, MN
June 14, 2001	Apple Valley, MN
June 15, 2001	Sioux City, IA
June 16, 2001	Sioux City, IA

## Badger State Smoke Signals

### Amateur Radio Education and Information

**CHAIRMAN:** Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560. [kebnetter@palacenet.net](mailto:kebnetter@palacenet.net)

**EDITOR:** Jim Romelfanger, K9ZZ, 412½ Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031. [smokesigs@baraboo.com](mailto:smokesigs@baraboo.com)

**TREASURER:** Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901.

**EDITORIAL BOARD:** Ken Ebnetter, K9EN; Don Evenson, K9JYX; Jim Romelfanger, K9ZZ.

### Subscription Rate

1 year (12 issues) \$13.95

Subscription form is on page 5. Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

### When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebnetter.

Editorial material, photographs, and feature articles should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Club, swapfest, and Test Point information should be sent to Ken Ebnetter.

Swapfest ADS should be sent to Jim Romelfanger NO LATER THAN EIGHT WEEKS BEFORE THE EVENT'S DATE.

Subscriptions should be sent, with check or money order, to Ken Ebnetter.

### Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.**

This newspaper is produced by volunteer radio amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

*Badger State Smoke Signals* is incorporated as a Wisconsin non-stock, non-for-profit organization.

### Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.



June 16, 2001	Cottage Grove, MN
June 16, 2001	Milwaukee, WI (BE)
June 16, 2001	Loves Park, IL
June 23, 2001	Bloomington, MN
June 30, 2001	Milwaukee, WI (MRAC)
June 30, 2001	Tomahawk, WI
July 07, 2001	St. Paul, MN
July 07, 2001	Oshkosh (Omro), WI
July 12, 2001	Apple Valley, MN
July 14, 2001	Blaine, MN
July 14, 2001	Madison, WI
July 17, 2001	Eden Prairie, MN
July 17, 2001	Sheboygan, WI
July 21, 2001	Cottage Grove, MN
July 21, 2001	Loves Park, IL
July 28, 2001	Milwaukee, WI (MRAC)
July 28, 2001	Tomahawk, WI
July 28, 2001	Bloomington, MN
August 10, 2001	Sioux City, IA
August 18, 2001	Appleton, WI
September 01, 2001	Adams
September 01, 2001	Racine, WI
September 15, 2001	La Crosse, WI
September 15, 2001	Sheboygan, WI
October 06, 2001	Racine, WI
October 12, 2001	Sioux City, IA
November 03, 2001	Menomonie, WI
November 04, 2001	Kaukauna, WI
November 20, 2001	Sheboygan, WI
December 01, 2001	Adams, WI
December 01, 2001	Racine, WI
December 07, 2001	Sioux City, IA
December 15, 2001	La Crosse, WI
January 26, 2002	Appleton, WI
Monthly, 1st Sat.	Oshkosh (Omro), WI
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Blaine, MN
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat.	Milwaukee, WI (BE)
(September through April)	
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat.	Milwaukee, WI (MRAC)
(except December)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	

Amateur Radio Examination Locations and Schedules in the Wisconsin Area We need a lot of updates from a lot of VE teams. Please use the email link provided so prospective examinees will know of your sessions. Check your group's listing. Thanks. Page Updated February 25, 2001

#### GENERAL RULES FOR MOST EXAMINATIONS:

Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walk-ins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html>  
or  
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, WIAW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2001 test fee at \$10.00. FCC re-

quires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

<http://www.arrl.org/arrlvec/examsearch.phtml>

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC

#### MILWAUKEE RADIO AMATEURS CLUB (MRAC/VEC) MILWAUKEE

Last Saturday, except June, July, and August, 9:30 a.m. to noon at Amateur Electronic Supply (AES), 5710 W. Good Hope Road, Milwaukee. For additional information, call (262) 797- MRAC. Bring along your original license, CSCE (if any), and one (1) good quality photocopy of each, plus two forms of identification, such a driver's license, etc. Also required is \$6.65 for the exam fee. Walk-ins are welcome. To register in advance, use a post card. Print the grade of license you are applying for, your name, address, and telephone number, and send the card to MRAC/VEC, Milwaukee Radio Amateurs Club, PO Box 25707, Milwaukee, WI 53225.

#### BADGER EXAMINERS (BE) - MILWAUKEE

September thru April, every third Saturday morning, 9:30 a.m. to noon, Badger Examiners group tests at AES (Amateur Electronic Supply) at 60th and Good Hope, Milwaukee. Exams are given at the old Sterman Printing shop, just 300 feet west of the AES store. Novice to Extra are offered, and all test materials are provided. Fee is \$6.35, and bring your original license, or CSCE if needed.

Also available are Commercial license exams GROL (General Radiotelephone license), GMDSS, Telegraph, Etc. Fee is \$35.00. For more information call Gary Sharbuno, WI9M at (414) 355-0237.

#### EAU CLAIRE, WI

##### EAU CLAIRE AMATEUR RADIO CLUB

April 21, 2001. 9 a.m. to 11:30 a.m. South Middle School, North East Side Door 7, 2115 Mitscher Ave., Eau Claire. Walk-ins welcome. Saturday, June 9, 2001. 9 a.m. to 11:30 a.m., Eau Claire Hamfest. Held at Eau Claire Exposition Center, Lorch Avenue, Eau Claire. Walk-ins welcome. Examination Session Coordinator: Steve Bluem, KA9OMY, ka9omy@arrl.net. Telephone: 715.839.6509. Sponsored by the Eau Claire Amateur Radio Club. Web page: <http://www.ecarc.org> Email: w9eau@ecarc.org

#### FRIENDSHIP, WI

March 3, June 2, September 1, and December 1, 2001. Exams given from 2 p.m. to 5 p.m. at Adams County Electric Cooperative, Community Room, 401 E. Lake St. (CTH J), Friendship, WI. Exam fee: \$10.00.

All candidates should bring appropriate identification which bears a photo and signature. Candidates must present the original document of any current Amateur Radio license or CSCEs. A photocopy of the original documents must be sent along with the session paperwork. Walk-ins are permitted, but advance registration is appreciated. A candidate wishing to retest for the same element will be allowed to do so, provided the VE team has appropriate time and an additional exam fee is paid. There are no free exam elements.

Note that beginning June 1, 2001, multiple choice format Morse code tests will not be allowed. Code tests will be "fill in the blank" format only. Solid copy conditions will remain the same. Candidate registration may be submitted to Wayne Hemrbook, KB9NLQ, at 608.339.4169. Questions may be directed to Karl Simonson, KS9E, at 847.244.0802 or 847.778.0247. Karl Simonson, KS9E

#### MADISON, WI

First Saturday monthly: 8 a.m. to 10 a.m. Space

Place, 1605 South Park Street, Madison. Please bring a picture ID, your original license, a copy of your license, and a check for \$6.65 made out to the ARRL/VEC. If the special form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me. Dates: September 2, October 7, November 4, December 2, 2000, and January 6, 2001. Questions may be directed to Tim Czerwinka, WO9U, at (608) 233-9829 (home phone) or sent to wo9u@arrl.net.

#### MENOMONIE, WI

Saturday, March 31, 2001, and Saturday, November 3, 2001. The location will be the U.W.-Stout's Millennium Hall 9 (the new Communications Building), at the corner of Broadway and 10th Avenue on the U-W Stout Campus in Menomonie, Wisconsin. Walk-ins only. Arrive between 9 and 11 a.m. For information, contact Jim Ley, NX9F, (715) 235-3998 (H), or (715) 232-1397 (W).

#### RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August. Monthly exams are given 9 to 11 a.m. at the Faith United Methodist Church, 1013 Harmony Drive, Racine. Walk-ins are permitted. Talk in on 147.87/27. Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (262) 886-8551.

#### TOMAHAWK, WI

Last Saturday of every month, January thru October. Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No advance registration required, but appointment would be appreciated. Registration at 8:30 a.m. and testing starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

#### APPLETON, WI - ARRL/VEC KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All regular test sessions are held at the American Red Cross Building in Appleton. Testing starting at 8 a.m. For information, contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (920) 730-0967. Email: W9MDP@arrl.net.

#### OSHKOSH (OMRO)

The Oshkosh VE Team will administer Amateur Radio exams monthly on the first Saturday. Registration begins at 8:30 a.m. and exams will be given from 9 a.m. until noon at the Omro Community Center, 130 W. Larrabee, Omro, WI. Walk-ins welcomed. Bring a good quality photocopy of your original license and any other necessary documents such as a CSCE, etc. The first ses-

sion will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. The exam fee is \$6.65. For more information, please call Dick Lemme, K9FA, at (920) 235-0987, e-mail lemme@vbe.com, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

#### SHEBOYGAN, WI

Saturdays, 9 a.m.: May 19, September 15 Tuesdays, 7 p.m.: March 20, July 17, November 20 Sessions will be held in the Red Cross building, 2023 Erie Avenue, Sheboygan, WI 53081, main floor. This testing site is handicapped accessible. Signs will direct applicants to the proper area of the building. Registration begins 30 minutes prior to each testing session. Pre-registration is appreciated, but walk-ins are welcome. Contact: Art Pahr, K9XJ, N8029 Willow Road, Plymouth, WI 53073-2929. (920) 876-2370. K9XJ e-mail: <k9xj@excel.net>

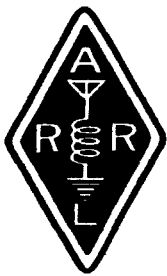
#### ONALASKA, WI (ARRL/VEC)

February 21, May 19, September 15, and December 15, 2001. Tests will be given at the Onalaska Public Library at 9 a.m. Contact: Roger Reader, KA9BKK readers@centurytel.net

#### MEDFORD, WI (ARRL/VEC)-UPDATE NEEDED

Take Ogden St. west off of Hwy. 13 to the courthouse. Park on the street or in the parking lot on the South side of the courthouse. Use one of the two entrances there. Watch for the signs when you get into the building. Talk-in on

## From the Section Manager



Don Michalski, W9IXG

SM: Don Michalski, W9IXG, SEC: WB9RQR, STM: K9LGU, ACC: K9FHI, SGL: AD9X, OOC: W9RCW, PIC: K9ZZ. TC: K9GDF, ASM: K9UTQ, W9RCW, W9CBE. BM: WB9NRK.

With deep regret, I inform you that John Klein, K9OGT, age 57, succumbed to cancer. John, brother of Bob Klein, K9RTB, was a member of the RRRRC.

Norbert Nevens, KA9HUX, is a S.K. Also, Dick Trempe, N9QQ, passed away. Dick was a member of the WVRA, ARES and an OO.

Jack McLeland, W9ATK, age 63, passed away. Jack was a member of the Ozaukee RC, MRC, an officer of SEWFARS and MARC and was also very active in broadcast radio.

Congratulations to the following amateurs who received Ham of the Year awards from their club: Scott Ellington, K9MA of FLARC and Dave DePover, KB9MKP of RRRRC.

Congratulations to Tim, WO9U, and Carrie, KB9UZK, on their engagement! They should be registered at AES!

9RN report for December shows 98% Wisconsin participation.

Our SGL, AD9X, needs to know if you are having problems with antenna restrictions, PRB-1. Also, he asks you to monitor and report any local ordinances proposed that could ban mobile phone use. Amateurs might be caught in the ban, also!! You can contact Jim at [ad9x@arrrl.net](mailto:ad9x@arrrl.net). Monitor his current reports on the section web site:

[www.w9ixg.eboard.com](http://www.w9ixg.eboard.com).

Good work by the Green Fox ARC on erecting a 130 foot tower and two repeaters!

Time to register for SKYWARN classes. For list of classes, contact Tom Weeden, WJ9H, at [wj9h@arrrl.net](mailto:wj9h@arrrl.net) or his SKYWARN site:

[www.execpc.com/~tcweeden](http://www.execpc.com/~tcweeden)

(or [www.bsss.org](http://www.bsss.org) - editor).

A wonderful time was had at the West Allis Swapfest. Many more hamfests are coming up so look forward to meeting you!

73, Don, W9IXG  
[w9ixg@arrrl.org](mailto:w9ixg@arrrl.org)

**JOIN  
AND  
SUPPORT  
THE ARRL!**

# 2001: A SUPERFEST

A E S M I L W A U K E E

A P R I L 6 A N D 7

guest speaker

## JIM HAYNIE

President of the American Radio Relay League, talks about radio in education

## 04 . 06 . 2001

Friday . 2:00pm to 7:00pm

## 04 . 07 . 2001

Saturday . 8:30am to 3:00pm

Manufacturer  
Representatives  
On-Hand

Specials &  
Closeouts

Informational  
Forums

VEC Testing

Club &  
Organization  
Memberships

## FREE ADMISSION

Complementary popcorn, soda and coffee available. Boy Scout Troop #205 out of Cudahy will also be selling concessions. And, don't forget to sign up for...

## PRIZE DRAWINGS!

### Unable to Attend?

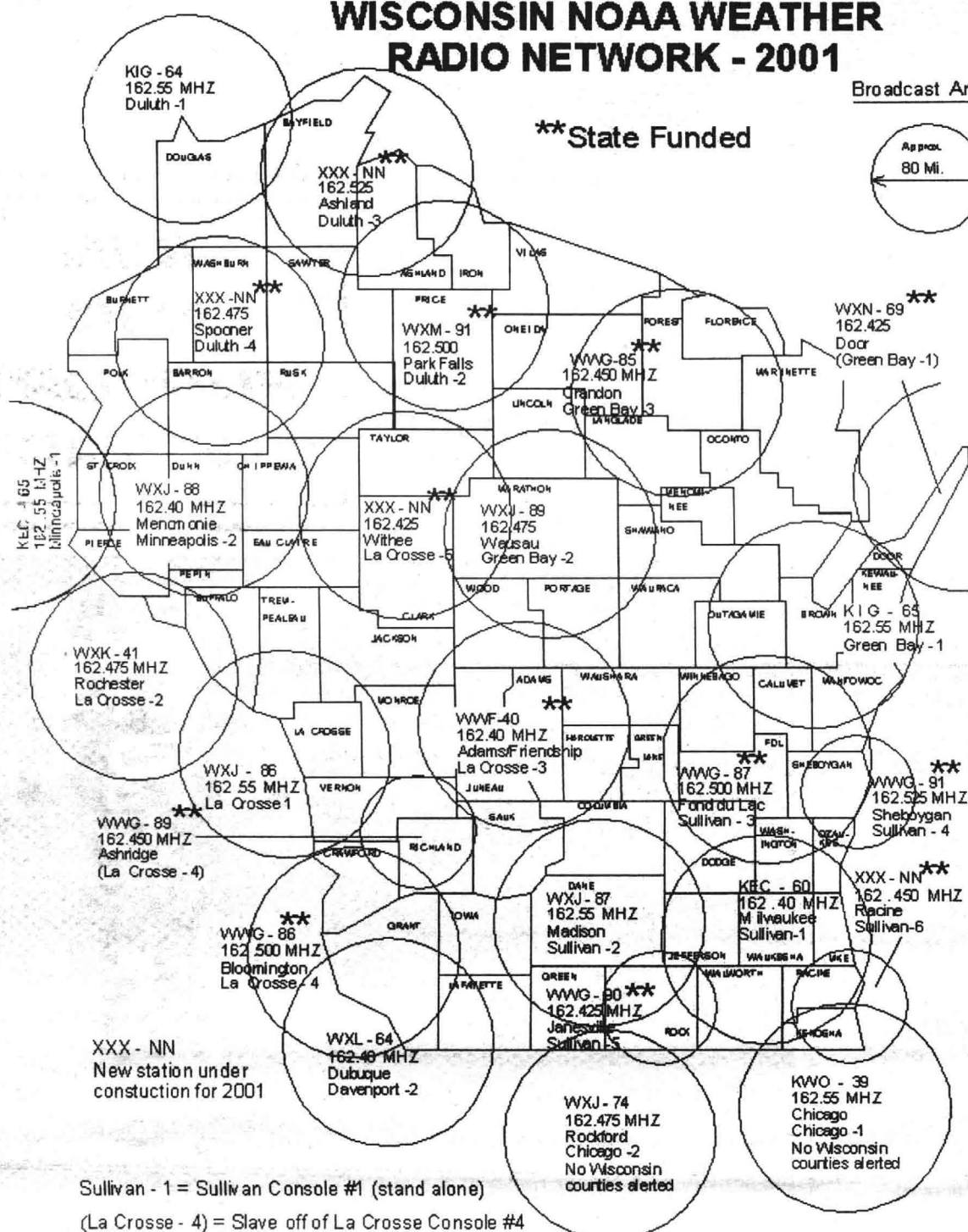
You can call any AES location during Superfest hours to check on any Specials or Closeouts that may be available. Updated information is also available on the web at [www.aesham.com](http://www.aesham.com)



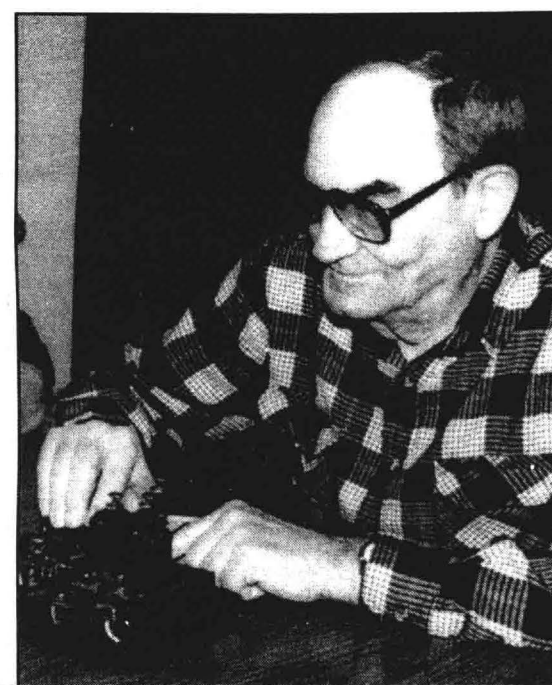
## WISCONSIN NOAA WEATHER RADIO NETWORK - 2001

Broadcast Area

\*\*State Funded



## Silent Keys



Robert L. King, W9QQQ

Robert L. (Bob) King, W9QQQ, Baraboo, died at home on Sunday, February 11, 2001.

Bob was a retired telegrapher, working first for Western Union, then for the Chicago and North Western Railroad until his retirement in 1979.

Bob was a member of the Morse Telegraph Club and the Yellow Thunder Amateur Radio Club.

Bob and some telegrapher friends occasionally gave demonstrations of the telegraph, some at schools, showing how Samuel F.B. Morse's invention brought nearly instant communication to the country.

He was a gifted wood carver, and worked on circus wagon restoration at the Circus World Museum for a time. He also was a painter and played guitar and Hammond organ.

He is survived by a daughter Carol, and two sons, Tim and Tom. He also leaves behind dozens of ham radio friends, not only in the general Baraboo area, where he and a group "hung out" on the 146.88 repeater, but nationwide too.

Gerald D. Fadness, W9GF, 71, of Stevens Point, died on Saturday, January 20, 2001, at St. Michael's Hospital, Stevens Point.

He served in the U.S. Army 24<sup>th</sup> infantry division in Korea and Japan. He was a long time employee of Coca Cola Bottling Co. He owned Mug N Jug, Beaver Dam, later, he held property manager positions including the Beaver Dam Mall.

He was an avid amateur radio operator; his original call was N9TSQ.

He was a Boy Scout of America executive, serving Southeastern Wisconsin. He was a member of the Minnesota Chippewa tribe.

Survivors include one daughter, Kathy, KG9-NX, (Brian) Mallon, Plover; two sons, Jay (Virginia) Fadness, Beaver Dam, and Jerry W. (Sue) Fadness, Plover; two brothers, Warren (Judy) Kelpine, Milwaukee and Theodore Belcourt, Washington; four sisters, Sharon (Rich) Trapp, Florida, Valorie (Mike) Poznanski, Noreen Pinto, Florida, and Olivia Kriha, Minnesota.

## SkyWarn spotting season gets closer

The 2001 SkyWarn severe weather spotting season is creeping up on us, and will be here before we know it.

As usual, spotter training classes for beginners and those who need refresher information will begin soon. The full list for the state of Wisconsin will be posted on the *Badger State Smoke Signals* web site at:

<http://www.bsos.org>

If you are new to ham radio or have been part of the

hobby for a while but have not taken part in SkyWarn, you are strongly encouraged to attend a class. It's pretty easy to make errors when you are watching things happen during a storm, and those classes will show you what to look for and, just as important, what not to report.

Watch for the sessions coming up near you and attend. SkyWarn is one of the most important public service activities radio amateurs do, and it saves lives without costing taxpayers a penny.

## Maine lawmakers kill mobile hand-held devices bill

A Maine legislative committee has killed a bill that would have made it illegal to use hand-held electronic devices such as cellphones and two-way radios while driving. ARRL State Government Liaison Zane Keeler, AA1WV, reports the Joint Standing Committee on Transportation on February 21 reported out an ought-not-to-pass recommendation for LD 95.

The bill would have restricted the use of hand-held cellular telephones as well as "computers, Citizens Band radios, dictaphones, microphones and other electronic devices" not essential to the operation of a vehicle on Maine's highways.

The same legislative panel also turned away a similar, but less restrictive bill, LD 102. Both bills would have permitted the use of hands-free accessories for cellular telephones used on the road.

The committee's vote on both bills was 7-1. Keeler said both bills are dead for the current session. Those opposing the bill included several Maine Amateur Radio

operators, cellular telephone providers, emergency medical service providers, and the American Automobile Association. The state Highway Safety Bureau took "a neutral position" on the measures.

Several hams, including Maine Section Manager Bill Woodhead, N1KAT, were on hand February 12 for a public hearing before the legislature's Transportation Committee. Keeler said a half-dozen Maine hams showed up for the February 21 legislative workshop.

In Maryland, a bill to ban the use of hand-held cellular telephones while driving was killed February 15 by a House of Delegates committee on a 14-7 vote. Several other states are considering similar measures. While no states have banned cellular telephone use altogether, California, Florida and Massachusetts impose some restrictions on their use. Nearly 40 states have considered such legislation since 1995. Five municipalities require drivers to use hands-free technology within their borders.

*The ARRL Letter*



OUR WANT ADS GET RESULTS

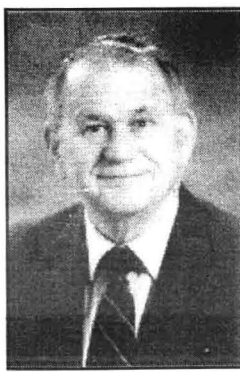
FOR SALE: Dell Dimension XPS Pentium III 600 MHz, 128MB SDRAM, 56K modem, 19" color monitor, HP932C color inkjet printer, 20.4GB hard drive. Paid \$2,200 in March, 2000. Asking \$1,800. From estate. Call 715-384-2030 (Marshfield, WI).

There is no charge for ads in Sell, Swap, Buy. Send your ad by post or email to Ken Ebnetter, K9EN ([kenbnetter@palacenet.net](mailto:kenbnetter@palacenet.net)) or Jim Romelfanger, K9ZZ, ([smokesigs@baraboo.com](mailto:smokesigs@baraboo.com)).



# The Computer Corner

By Stan Kaplan, WB9RQR • 105 Martin Drive  
Port Washington, WI 53074-9654  
(262) 284-9346  
skaplan@mcw.edu



## No. 88: Bootable CD-ROMs

Do you have a CD "Burner"? That is the common name in the industry for a CD-ROM drive that can create CDs. The burners sold today create CD platters of two different types. 1. CD-R, which stands for CD-Recordable. This type of platter (and the drive that creates it) is known as a WORM device - "Write Once, Read Many". Once you "burn" one of these disks, the data cannot be overwritten or changed, and the data is rated to last between 10 and 100 years, depending upon the brand and style of CD-R disk you use. 2. CD-RW, which stands for CD-ReWritable platters. These are a different kind of disk, slightly more expensive, whose data can be changed at least a thousand times. Note that the word "changed" was used. Unlike an ordinary floppy disk, you cannot truly erase the data on one of these. When you physically rewrite it with new data, that effectively erases the old. Both the CD-R and CD-RW platters work based upon changing the reflectivity of dyes buried above the plastic "underbelly" or bottom surface of the disk. The dye is melted by the laser, which makes it lose its reflectivity. The physical pits in a manufactured CD-R disk are similarly of low reflectivity. Loss of dye reflectivity in a CD-R is permanent, but is reversible in a CD-RW.

If your computer was manufactured fairly recently, it has the capability of booting from a CD. You can tell if this is the case easily by entering the CMOS setup. Most computers display a message on screen during the very early part of the boot process telling you to press the DEL key to enter this series of setup screens. Once there, select the BIOS Features Setup, usually the second option on screen. There should be an option that allows you to select the order in which bootable devices are searched. For example, A, C tells the computer to look in the A: floppy for a bootable disk first, followed by the C: (hard) drive. C, A reverses this sequence. Note how it is set now, then highlight this entry and go through the options by pressing the Page Down key in some brands, or the + key in others. Cycle through all the options - you will eventually get back to your original setting. If one of those options includes CDROM, then your machine can boot from this device. If you are going to prepare and use bootable CDs, then I recommend this sequence: C, CDROM, A if that is an option. Alternatively, you can leave things as they were and just file away the information on how to alter this when you want to boot from a CD. Or, you can set the option to C, A, CDROM. With the option set this way, if the hard drive will not boot, the machine will seek a bootable floppy first, then a bootable CD-ROM.

Well then, when would you want to boot from a CD? The first answer is: whenever there is "Trouble in River City". Wouldn't it be nice to have a bootable CD, complete with virus scanning/killing software whenever you suspect an infection? Wouldn't it be nice when some darn program or other messed up your C: drive, so you could just boot from CD and recopy the whole darn drive back to some previously well-working state? Do not forget, those CDs hold about 650 Mb of data - often enough space for the entire contents of your entire C: drive if you keep applications on D: and created data on E: as I do. There are other uses, too, other than just emergencies. Wouldn't it be nice to work with packet radio using DOS and YAPP software all isolated and neatly packaged on a single CD-ROM disk? If you are using Windows ME or 2000, that may be your only choice with some DOS based programs. How about other oldies but goodies that just do not work well under Windows? Take, for example, Harvard Graphics - sometimes still useful but Windows 95 and 98 simply cannot handle it efficiently. Why not put the program on an MS-DOS 6.22-bootable CD-ROM? That may not be exactly what Microsoft has in mind for the end user to do. On the other hand, remember that you are the owner and human master of your computer, which means that you can "do it your way".

There are several issues to consider. First, making a bootable CD-ROM is not like making a bootable floppy (indeed, you need to first create a bootable floppy in order to make the bootable CD-ROM). Second, both the bootable CD-ROM and the floppy from which it was created need to have more than just the boot system files on them, at least if the final product is to be at all useful. For example, it doesn't do much good for

you to boot an operating system if you cannot access the CD-ROM drive for data once the boot process is done. Therefore, your CD-ROM drivers and other drivers that you normally use (mouse, scanner, printer, etc.) also need to be considered as candidates for loading from the boot CD. That means that both a CONFIG.SYS and AUTOEXEC.BAT file need to be present so that these drivers can be loaded. Still another issue is drive letter changes. Booting from a CD can cause some unexpected changes in drive letters unless you do some careful preplanning. So the message is that creating a useful bootable CD takes some design and forethought. Nevertheless, it can easily be done and yields a very useful product.

In the next issue, we will explore making a bootable floppy - the kind you need before you can create a bootable CD. Specifically, the next column will cover how to create a Windows 98 Startup Disk, a very special and important disk, indeed. Happy Computing!

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club (Ted Schweitzer, KB9RLI, Editor, 126 Lilac Lane, Belgium, WI 53004. <theo@execpc.com>).

## A visit with Mike Anuta, W8HKY

By Don Michalski, W9IXG, ARRL Wisconsin Section Manager



Jim Callow, K8IR, left, of the M&M Radio Club, and Wisconsin SM Don Michalski, W9IXG, right, present Mike Anuta, W8HKY, with an award recognizing him for his activity in Amateur Radio at the age of 100.

Photo courtesy Don Michalski, W9IXG

Mike Anuta, W8HKY, recently celebrated his 100th birthday in Marinette, Wisconsin. I was honored to join with his club, M&M ARC, in celebrating this milestone.

Mike lives in a retirement apartment complex along with his wife who is 99 years old. He is in good health and is extremely sharp and witty. We had a wonderful discussion about his past experiences which he remembers like they were yesterday.

Mike first became interested in Ham radio in 1917 when he was a boy scout. He was fascinated with communications using semaphores and that lead him on to spark gap radios and railroad telegraphy. He has

used AM and SSB radios but his favorite mode is CW.

When asked where he'd like the hobby to move, he thinks we should continue to experiment with new methods of communications. Our future depends on it, he said.

Mike remains active in the hobby with his new 2 meter HT and can be heard often on the 147.000 repeater. He loves to correspond so please feel free to send him a letter! It may be addressed to:

Michael J. Anuta  
1200 Northland Ter Ln Apt 106  
Marinette WI 54143

## Canadian youngsters speak with Commander Shepherd on ARISS QSO

A dozen youngsters at Merivale Public School in Ottawa, Ontario, recently became the first Canadian students to speak with Space Station Alpha Commander William "Shep" Shepherd, KD5GSL, operating from space as NA1SS. The successful Amateur Radio on the International Space Station -- or ARISS -- school contact February 22 likely will be the last for the Expedition 1 crew.

Amateur Radio coordinator Steve McFarlane, VE3TBD, worked in concert

with his wife, Lori -- a teacher at the school -- to make the contact a reality. Lori McFarlane has been working with youngsters at the school for several weeks in anticipation of the ARISS QSO.

After a few unsuccessful calls, VE3TBD raised NA1SS on the ARISS backup frequency. Youngsters asked Shepherd about trash disposal and recycling aboard the ISS,

Please turn to page 8

## First LF QSO across the Atlantic is made

Continued from front page

general Amateur Radio operation on 136 kHz, Kayser and a few other Canadian amateurs have received special authorization to conduct LF experiments there.

G3AQC and VA3LK were using a

combination of commercial and surplus equipment at their respective stations. G3AQC estimated his effective radiated power at 350 mW, while VA3LK said he might have been at the 5 W ERP level.

In October 1998, the ARRL petitioned the FCC to create two amateur LF allocations at 135.7-137.8 kHz and 160-190 kHz. The FCC has not yet acted on the request.

ARRL Bulletin ARLX005



## VARI-NOTCH® DUPLEXERS FOR 2 METERS

The TX RX Systems Inc. patented Vari-Notch filter circuit, a pseudo-bandpass design, provides low loss, high TX to RX, and between-channel isolation, excellent for amateur band applications. TX RX Systems Inc. has been manufacturing multicoupling systems since 1976. Other models available for 220 and 440 MHz, UHF ATV and 1.2 GHz.

MODEL 28-37-02A

144-174 MHz  
92 dB ISOLATION AT 0.6 MHz SEPARATION  
400 WATT POWER RATING

TX RX SYSTEMS INC.

Dave Barquist, K9PAK, Factory Representative  
414-367-2929 or E-Mail [txrx@electpducts.com](mailto:txrx@electpducts.com)



19" RACK MOUNT



# PARTICIPATING CLUBS AND ORGANIZATIONS

## Wisconsin Nets Association Ltd.

**Dean R. Herriges, KB9ROB, Secretary**  
W370 S9590 Highway 67 • Eagle, WI

## WISCONSIN NETS

Net	WNA	Freq.	UTC	CST	Manager
BWN	Yes	3985	1200	0600	W9RCW
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9FHI
WNN	Yes	3723	0000	1800	KB9ROB
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9UW
RCRA	No	01/61	0130	1930	KA9OMC
(Mondays CDT) (Menomonie Area)					
Gr. Bay	No	72/12	0345	2145	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0300	2100	

### Wisconsin Section Traffic Manager's Report January 2001

We're off to a fine start for 2001. The nets are showing some growth in numbers and increased activity. Not only are we seeing some new check-ins, we're hearing discussions about different aspects of traffic handling, exchanging good information about other technical matters on the nets, and generally maintaining the camaraderie that is so essential to healthy section nets. We've heard some good alternate net controls fill in - such as KB9QPM, W9IBL, and W9RSX. Listen to the nets. Hear the content, and pay special attention to the tone - friendly, efficient, helpful. That is how good nets continue to thrive.

I had a great time discussing traffic and the NTS with OZARES in January and with the CWRA Club in Stevens Point in early February. There's genuine interest in handling traffic and in our section nets. Don't forget to ask your local clubs to mention traffic handling in their training sessions. If you deliver traffic to a ham, remind him or her of the need for traffic handlers on our section nets. When newcomers arrive to QNI, be sure to welcome them warmly and offer whatever help they might need. The efficiency of our nets is dependent on the check-ins.

Keep your ORS appointment valid. Don't forget to report your activity each month - even if you haven't handled much traffic. Interested in an ORS appointment? Let me know on a section net or via Email. See you on the nets.

73, Denny, K9LGU  
STM / Wisconsin  
K9LGU@arri.net

### WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY JANUARY 2001

NET	OM	UTC	QTR	SSRS	MM
BWN	1250	1821	2325	31	W9RCW for W9RCW
BEN	637	85	978	31	KE9VU
WSBN	808	87	101	31	K9FHI
WNN	218	87	347	31	KB9ROB
WSSN	300	24	371	31	N9BDL
WIN/E	282	70	357	31	WB9ICH
WIN/L	211	56	315	31	W9UW
TOTALS	3576	1908	5783	242	

### STATION ACTIVITY SUMMARY January 2001

STATION	OMG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	339	39	337	715 - BPL
W9HW	3	318	88	250	657 - BPL
W27V	0	346	27	280	653 - BPL
W9PY	0	305	336	0	641 - BPL
N9VE	0	251	37	252	542 - BPL
W9GWN	0	232	30	232	494 - BPL
K9GU	0	225	32	228	483 - BPL
N9TVT	0	112	336	3	451
K9FHI	0	55	85	0	120
W9CBE	0	54	81	3	117

K9LGU	1	72	36	0	109
N9BDL	0	25	64	0	89
N9CK	0	35	40	0	75
N9KHD	0	29	41	0	70
AG9G	0	11	51	0	62
K9GB	0	11	45	0	56
KE9VU	0	19	33	0	52
KB9ROB	0	37	5	8	50
W9UW	0	35	11	1	7
AA9BB	0	4	34	0	38
AD9X	0	3	33	1	37
W9BHL	0	0	36	0	36
W9YCV	0	9	25	2	36
W9RCW	0	1	32	1	34
WB9ICH	0	31	1	0	32
K9HDF	0	0	30	0	30
KA9FVX	0	0	30	0	30
WD9FLJ	3	11	11	3	28
W9ODV	0	0	10	0	10
W9PVD	0	4	2	0	6
K9UTQ	0	1	5	0	6

### PUBLIC SERVICE HONOR ROLL SCORING

This listing is to recognize those amateurs whose versatile public service performance during the month noted above qualifies them for the necessary point totals for PSNR in the following eight categories.

1. Checking into a public service net, using any mode, one point each, maximum 60.
2. Performing as Net Control Station for a public service net, using any mode, three points each; maximum 24.
3. Performing assigned liaison between public service nets, three points each; maximum 24.
4. Delivering a formal message to a third party, one point each; no limit.
5. Originating a formal message from a 3rd party, one point each; no limit.
6. Serving as an ARRL field appointee or SM, 10 points each appointment; maximum 30.
7. Participating in a communications network for a public service event, 10 points each event; no limit.
8. Providing and maintaining an automated digital system that handles ARRL radiogram-formatted message traffic, 30 points. Monthly qualifying total: 70 points

### PSNR SUMMARY - January 2001

CALL	1	2	3	4	5	6	7	8	T
K9JPS	48	24	24	337	0	10	0	0	443
N9VE	0	0	0	252	2	30	0	0	344
K9FHI	0	25	24	0	0	30	10	30	178
N9BDL	0	24	24	0	0	30	0	0	138
WD9FLJ	58	0	24	3	3	20	0	30	136
W9CBE	60	24	24	3	0	20	0	0	131
W9YCV	60	24	24	2	0	20	0	0	130
K9LGU	60	24	24	1	0	20	0	0	128
N9TVT	60	24	24	3	0	10	0	0	121
AG9G	60	24	18	0	0	10	0	0	112
KA9FVX	42	0	0	0	0	10	0	0	52

**Badger State Smoke Signals**  
is on the Web.  
Check us out at  
**www.bsms.org**

## Wisconsin Valley Radio Association

**Rich Nesbitt, N9WPH, Secretary**

P.O. Box 363 • Wausau, WI 54402

**Six Meter Repeater: 51.19 Input/52.89 Output**

### Meeting Minutes 6 February 2001 State Patrol Headquarters

Meeting called to order at 7 p.m. by President Kim Kunze, N9SDL.

Program: "Amateur Television - Fast Scan TV" by Mike, KB9DED. A video was shown followed by an open discussion. A comparison was made between slow and fast scan TV. For an example of amateur TV - use an UHF antenna (vertical polarization), a cable ready TV and tune to channel 57. Contact Mike, KB9DED, or Mike, N9IAB, if you want more information.

Members present: N9SDL, N9WPH, W9WW, N9NMH, KB9DED, N9MEA, KB9VBR, N9IAB, KB9STB, KB9PVI, N9OVS, N9NRC, K9AEG, N9SDI, N9LIA, KA9PKW, N3FDE, N9XVK, N9TTA, K9MCZ, N9PHC, WA9NBC, N9NRA, KB9JMB, N9MPD, KB9RXA, KB9YDP, WD9CPY, KB9OPQ.

Secretary's Report - As published in *Badger State Smoke Signals*. Motion: Matt, N9NMH. 2<sup>nd</sup>: Andy, N9NRA.

Treasurer's Report - Motion to accept: Andy, N9NRA. 2<sup>nd</sup>: Myron, KB9STB.

### Old Business:

1. Tower update: Nothing reported.
2. New club meeting place: State Patrol Headquarters in the main floor meeting room, west at "NN" exit off Hwy 51. Members were asked whether the upstairs or downstairs meeting room should be reserved. Members requested the upstairs meeting room in March. This would allow handicap members to attend.
3. Badger State Games: Mike, N9IAB, was the coordinator for the event. He thanked all members for their help on February 3-4.
4. Special Olympics: Will be held February 10-11 at the Indianhead Golf Course near Mosinee. Volunteers are still needed. Please contact Jack, N9LIA, if interested at [n9lia@pcpros.net](mailto:n9lia@pcpros.net). A volunteer reception will take place on Thursday at the Ramada Inn at 6 p.m. in the Atrium Area. A parade will take at Marathon Park on Friday at 6:45 p.m. followed by the opening ceremony at 7 p.m.
5. APRS update: a Kantronics KPC-3 was purchased for the Club with the donated funds from the members. An APRS group has been established. Members can refer to [www.martechsys.com/kb9vbr/aprs.htm](http://www.martechsys.com/kb9vbr/aprs.htm) for additional information. Kim, N9SDL, outlines possible application for APRS. It was used during the Badger State Games and will be used during the Special Olympics. Members asked for the conversion of degrees minutes and seconds to fractional degrees. Degrees + minutes/60 + seconds/3600. Mark, N9MBA, talked about the TinyTrak kit that he bought and put together. It is a small inexpensive one way GPS position encoder that replaces the need for a packet TNC to use with APRS. Kits are available at [www.bvonic.com](http://www.bvonic.com) for \$25 plus shipping.
6. Dream Flight update: The 10<sup>th</sup> annual event will occur on 4/30 & 5/04. Training dates are 3/27, 4/2, 4/9, 4/10 from 1830-2000 hours at Rib Mountain Elementary School. Volunteers are needed for the training dates and during the week of Dream Flight. Contact Kim, N9SDL, or Mike, KB9DED, if interested. APRS will be used on the shuttle. Mike, KB9VBR, is working on an Igate so that anyone with a computer can track the shuttle's progress.
7. Field Day update: Will be held on June 24<sup>th</sup> at Sunnyvale Park, which is on the west of Wausau off Hwy 29.
8. Silent Key: Dick Trempe, N9QQ. The Club received a card from the family thanking us for the Club's memorial donation. An article about Dick was published in the January issue of the *Badger State Smoke Signals*.
9. WVRA web page update: The web page was revamped by Scott, KB9PVI. Members are directed to [www.dwave.net/~WVRA](http://www.dwave.net/~WVRA) for the address.

### New Business

1. Foundation for Amateur Radio: The foundation is seeking qualified applicants for Grants and Scholarships for the 2001-2002 year.
2. Weekly general discussion net: Thursday on 444.1 MHz at 9 p.m. Please contact Mike, KB9VBR, or Myron, KB9STB, if you want to volunteer as a net control operator.
3. Elections for the new WVRA Board will take place in April. It's also the time to pay annual membership dues. Motion from Andy, N9NRA, to increase the single membership dues to \$25 per year and leave the family membership dues at \$35 per year. 2<sup>nd</sup>: Myron, KB9STB. Passed.
4. ARRL membership dues will increase to \$39 in July.
5. Carroll Miller, W9SM, QSO cards are available from a QSO card collector. Contact Don, W9WW, if you are interested.
6. Future program topics are needed. Contact Mike, KB9DED, with topics that you want presented.
7. Amateur Radio classes: Seeking volunteers to help teach a 12-week program this spring. An instructor's manual will be available. Contact N9SDL if interested.
8. Club's pneumatic mast: Mike, N9IAB, requested the mast be separated from the existing mount so that it would be easier for him to attach it his truck for those times when he needs to use it. Topic tabled until next month. Topic to be discussed at the next board meeting.

Meeting adjourned at 9 p.m. Motion: Matt, N9NMH. 2<sup>nd</sup>: Jack, N9LIA.

Next meeting will be 3/6/2001, at the State Patrol Headquarters' main floor meeting room at 7 p.m.. Take the "NN" exit off Hwy 51 and go west. Do not park near the building.

Program: To be announced at a later date by Mike, KB9DED. Listen for the topic on one of the weekly nets.

Respectfully submitted:  
Rich Nesbitt, N9WPH, WVRA Secretary

Got a story to tell? Something technical to share? We've got the space for it!  
Share it in Badger State Smoke Signals. See page 2 for the address.



## Lakeshore Repeater Association

**147.270 MHz • Racine, Wisconsin**

**Larry McCalvy, WA9JMO • 5400 Six Mile Road  
Racine, WI 53402-9741 • wa9jmo@wi.net**

Our Valentine Social held at the Dock's Restaurant overlooking the beautiful waters of Lake Michigan on a sunny Sunday afternoon in February was very tranquil and most enjoyable. The boaters, normally in great abundance in and around this restaurant, were missing that day. I think the water may have been a little too hard for their crafts to negotiate and we had the place virtually to ourselves. Ed (W9NVK) and Marie Konicek provided our tables with Red and White Carnations, vases and appropriate Valentine decorations. At the conclusion of the meal, each attendee departed in the company of a Carnation in the color of their choice.

A QCWA 60<sup>th</sup> Anniversary Award was presented to Emmet "Al" Algiers, W9HR, in commemoration of 60-years of service as a Licensed Radio Amateur. Ed Konicek, W9NVK, was similarly recognized as he received QCWA's 50<sup>th</sup> Anniversary Award and another attesting to being continuously licensed for five decades. President Larry McCalvy, WA9JMO, made the presentations.

The group set our March business meeting for Monday, March 19<sup>th</sup> at the Meadows Restaurant in Franksville beginning at 6:45 p.m. Diners will gather about 6:15 to enjoy a meal and some stimulating conversation before the meeting kicks off.

Our Anniversary luncheon will take place on Sunday, April 22, 2001 at the Old Country Buffet, 4901 Washington Avenue, Racine (in the Shopko mall area) beginning at 1 p.m. We have the back room reserved for our gang. Just enter, pay, and angle your way through the tables to the meeting room (just beyond the Ice Cream machines). Please note that this is the fourth Sunday; our normal third Sunday would fall on Easter.

We have been asked to participate in Racine's Red Apple Elementary School's Option Program again. The date is Wednesday, March 28, 2001, from 10:30 to 11:30 a.m. at the school. We will set up a two-meter transceiver and a bank of code oscillators to challenge the minds of the school's 4<sup>th</sup> and 5<sup>th</sup> grade students. The code oscillator group with the aid of ARRL's Archie Comic Book and the Morse Code printed on the back cover seem to always have a grant time "communicating" with fellow students and their teacher.

At this writing, Fern Fisher, W9LCJ, is hospitalized at St Mary's in Racine. I do not have any details now, but if you tune into the Lakeshore Repeater, 147.270 MHz, someone will be able to update you on how Fern is doing. Fern, we wish you a speedy recovery and our prayers are with you.

73, Larry McCalvy, WA9JMO, President

## Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

**Larry McCalvy, WA9JMO  
5400 Six Mile Road  
Racine, WI 53402**



Ed (W9NVK) and Marie Konicek pose with the red and white carnations they brought for table decorations for the chapter's Valentine party.

Photo courtesy Larry McCalvy, WA9JMO

Our first quarterly meeting of the year, Tuesday, January 30<sup>th</sup> rolled smoothly along and covered only 35 minutes. Technical committee reports were positive; our two-meter system operations continue to run flawlessly and the 440 machine is on track for an April unveiling.

On a sad note, our Secretary, Fern Fisher, W9LCJ, is hospitalized in room 267, St Mary's Hospital, 3801 Spring Street, Racine, WI 53405. Cards of cheer would be most welcomed I am sure. And as of at this writing, I am not sure of the direct cause that required her trip to the hospital. Please keep Fern in your prayers.

President Larry McCalvy, WA9JMO, appointed Steve Brown, KC5GWN; Paul Smedegaard, N9RGW; and Tammy Gardner, KB9SXI, as an audit committee to check our financial

books. Their report will be available and an oral presentation given at our next meeting.

Our second quarterly meeting will be at the Red Cross Building, 4521 Taylor Avenue in Racine on Tuesday, April 24, 2001 beginning at 7:30 p.m. in the lower Classroom. An ARES gathering at 6 p.m. precedes our repeater meeting.

On Saturday, March 31, 2001 from 10 a.m. to 3 p.m., John Praeger, N9WWR, will host a weather-training workshop at the Racine Red Cross Building. If you are interested and would like to attend, please give John a call at 262-632-7990 or send an email message to [n9wwr@execpc.com](mailto:n9wwr@execpc.com).

73,  
Larry McCalvy, WA9JMO, President

## Mancorad Radio Club

**Theresa Hartlaub, KB9KXE,  
Secretary**

**P.O. Box 204 • Manitowoc, WI  
54221-0204**

**2-Meter Repeater: 146.01 Input/146.61 Output**



The Mancorad February meeting was called to order on 2/14/01 by Red (N9GHE) at 7:40 p.m. The previous month's minutes were approved at written in the *Smoke Signals*. Motions made by Len (N9QFO) and Oran (N9VIA). Roger, club treasurer gave the treasurer's report which was also accepted by motions by Bob (KB9INK) and Carl (KA9WYK).

Travis Waack is the club's newest member. His call letters are KB9YRC. All members present approved his membership. Welcome to the club.

Thank you notes were read from the Manitowoc and Two Rivers Libraries for the *Now You Are Talking* books sent to them. They are available to be taken out.

Dan (N9FVZ) nominated both Erv (W9OMO) and Charles (W9GXD) to be honorary lifetime members of the club. A vote was called and all members approved the motion.

On May 19 20th there will be a Kewaunee Biathlon held in Manitowoc and Kewaunee counties. This may be something for club members to participate in. Jim Parma (KB9GDX) is checking into this further and more information will follow.

Janice (N9IQZ) handed out new MACROS

sheets. We also received new rosters from Fred (W6BSF).

Discussion was held on events the club could hold instead of the Hamfest which will not be held this year. Brat fries at local groceries were mentioned and also possibility of having a food stand at the Riverwalk Days. More to follow.

Our attendance drawing was taken. Don (KB9NTL) was drawn but not in attendance. The pot goes to 13.00

Our next meeting will be held March 14th at 7:30 at the bank.

Meeting adjourned at 8:13.

Submitted for approval:  
Theresa Hartlaub,  
club secretary

### Meeting Attendance

KB9KXE Theresa	KB9YRC Travis
W9NPX Roger	N9WUN Chuck
N9GHE Red	KB9INK Bob
N9QFO Len	KA9WYK Carl
N9IQZ Janice	N9FVZ Dan
N9VIA Oran	KB9GRC Tom

## Another successful ARISS school contact

Continued from page 6

procedures for dealing with a sick crew member, and what the crew does for exercise.

One fourth grader wondered why building a space station was necessary, given problems with pollution and poverty on Earth. Shepherd had a ready reply. "We live on a planet that's really kind of an island, and it's not going to last forever," he said. "Shepherd said he thinks humans probably will one day need to 'go places other than Earth' and that the ISS made possible the research needed to do that.

missed their families and friends but he said he gets to talk to his wife via Amateur Radio "every couple of days." He also said he has photos and videos of his family aboard. Responding to another student's question, Shepherd said the crew had exercise equipment aboard, and that exercising was considered essential.

Near the conclusion of the contact, the students on hand hollered "73, Commander Shepherd!" in unison. Looking on in addition to other students and teachers were TV and newspaper reporters. It had been hoped that Canadian Prime Minister Jean Chretien would be able to be on hand, but he was occupied with a visit by British Prime Minister Tony Blair. The contact probably will be the last school QSO for the current crew of Shepherd, Yuri Gidzenko, and Sergei Krik-



Al Algiers, W9HR, (left) holds his QCWA 60 Year Anniversary award certificate, while Chapter President Larry McCalvy, WA9JMO, (center) holds one of the certificates presented to Ed Konicek. Ed's certificates honored him for being licensed for fifty years and for being continuously licensed for five decades.

Photo courtesy Larry McCalvy, WA9JMO

chant, KC6ROL, said he expects it will be sometime in late March--after the Expedition 2 crew arrives--before ARISS school contacts can resume.

For more information on the ARISS

<http://ariss.gsfc.nasa.gov>.

The ARRL Letter



## WWV survey planned

The National Institute of Standards and Technology plans to survey users of WWV and WWVH later this year. The time and frequency-standard stations have been airing occasional announcements about the upcoming poll in order to start building a mailing list of survey recipients. The announcements state that NIST "is seeking information on how listeners use the broadcast services offered on the WWV broadcast," but the survey will not begin for at least several weeks.

WWV Station Manager John Lowe says the announcements are being broadcast now as a heads up and to encourage early mailing list signups. The survey itself will not be released until approved by the Office of Management and Budget, Lowe said, and he doesn't expect that to happen until May, although it could be sooner. The survey period likely would extend through the summer, he said.

According to Lowe, the last WWV-WWVH user survey was done in 1985. "We just don't know who our user base is anymore," he said. Lowe confirmed that the data collected ultimately could be used to determine whether WWV and WWVH remain on the air -- especially given the popularity of NIST's other outlets, including its Web-based time server that gets in excess of 3 million hits a day.

"If we get only two people who say they're using WWV, then we've got a problem," he said. Lowe added that he does not think WWV and WWVH will be shut down, and he vowed to "fight for the radio stations," if it came down to that. "But the ultimate decision is not in my hands," he said. "We have to look at our budget and our users."

Lowe strongly encouraged WWV users to get on the mailing list and to send in a survey when the time comes. He suggested, however, that more weight will be given to survey responses from corporate and institutional users of the radio service as opposed to individual users.

To be added to the NIST WWV-WWVH survey mailing list, send your name and postal address to the NIST Radio Station WWV, 2000 E County Road 58, Ft Collins, CO 80524, or e-mail the information to [nist.radio@boulder.nist.gov](mailto:nist.radio@boulder.nist.gov).

Lowe urged WWV-WWVH users to hold their fire until the survey begins. WWV in Ft Collins, Colorado, and WWVH on Kauai, Hawaii, broadcast continuous time and frequency information to millions of listeners worldwide. For more information, visit the NIST Web site, <http://www.nist.gov>.

*The ARRL Letter*

## Silent Key

Kenneth C. LeGros, KA9DZT, died February 21, 2001 at age 73.

He was a veteran of WWII. Ken is survived by six children and other relatives.

*Information via  
Rich Regent, K9GDF*

Your articles, stories and ham radio related photos are needed for publication here in BSSS! Our readers are interested in what's happening, especially new and special projects. Send to the editor, address on page 2.

• AMATEUR RADIO • NEW • USED • COMPUTERS •

• HAM RADIO • BARGAINS • BUY • SELL • ELECTRONICS • PRIZES •

Sponsored by M.A.R.A. — W9HSY  
Madison Area Repeater Association  
non-profit • public service • emergency communications

# HAM IT UP EVERY SPRING!

at the

# MADISON SWAPFEST

## Sunday, April 8, 2001

Doors open to the public at 8:00 AM  
Dealer setup Saturday night

HUGE FLEA MARKET! — INDIVIDUALS & DEALERS!  
VE EXAMS! — BREAKFAST & LUNCH AVAILABLE!

### FREE PARKING!

### SAME LOCATION AS LAST YEAR!

MANDT COMMUNITY CENTER  
Stoughton Junior Fair Grounds  
Stoughton, Wisconsin

Talk-in on 147.150

TICKETS \$4 IN ADVANCE OR \$5 AT THE DOOR — TABLES \$12 — \$15

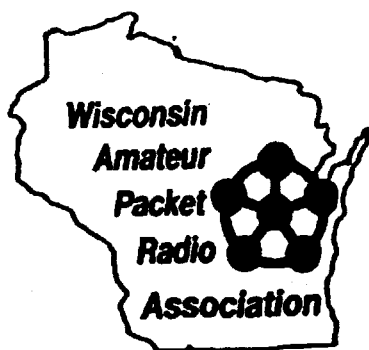
• ELECTRONICS • SHORTWAVE • AMATEUR RADIO •

Questions? For more information: <http://www.qsl.net/mara/>  
608 245-8890 (voice mail or sometimes a live person)  
M.A.R.A. — Madison Area Repeater Association  
P.O. Box 8890, Madison, WI 53708-8890

Please send me _____ Admission Tickets @ \$4 = \$ _____		
plus table reservations [shown below] total \$ _____		
<b>TOTAL \$ _____</b>		
Name: _____		Call: _____
Business name, if any: _____		
Address: _____		
City, State, Zip: _____		
Telephone: _____		E-mail: _____
Table reservations postmarked	by 3/20/01	after 3/20/01
Eight-foot tables	@ \$12	@ \$15
[Indoor only — no outdoor sales]		

### ADVANCE REGISTRATION

Table reservation does not include admission ticket. Make your check payable to M.A.R.A.  
Send your check with this form and a #10 self-addressed stamped envelope to:  
MADISON AREA REPEATER ASSOCIATION, P.O. Box 8890, MADISON, WI 53708-8890  
If we receive your check and s.a.s.e before March 24 we will send your tickets and table reservations by return mail. If not, you can pick them up at the door.



# THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association

Larry Shields, WD9ESU, Treasurer, W8929 Highway K, Lodi, WI 53555

Andy Nemec, KB9ALN, Editor · 453 Cottage Grove Avenue · Green Bay, WI 54304 · e-mail: kb9aln@juno.com

## WAPR News - March, 2001

by Andy Nemec, KB9ALN

Welcome to the "Ides of March". Yes, at long last, we are in the downhill stretch of winter, and I am one who is very happy about that.

Last month we covered the WAPR meeting on the 20th of January, and published the meeting minutes here. However, one detail slipped through my typing fingers and it needs to be brought up.

As was reported last month, Al Schnepf, N0GMJ is no longer WAPR treasurer. He is still on the WAPR board, but now Larry Shields, WD9ESU is handling the treasurer's position. I neglected to give an address for him. To contact Larry about joining WAPR or renewing your membership, you'll need his address:

Larry Shields  
W8926 Hwy K  
Lodi, WI 53555

Remember that there are now 3 membership packages now available. The basic yearly WAPR membership dues are \$15.00, the same as it has been for several years. \$20.00 will enable us to donate \$5.00 to the Badger State Smoke Signals for Internet viewing of their electronic version of the monthly. If you elect to pay \$25.00 annually, you will receive a printed subscription to the Badger State Smoke Signals.

True, you could pay only \$15.00 and look at the electronic version of the BSSS that is on the web. However, we know that even an electronic version has some costs involved, so we elected to allow people to join WAPR for a little more, and donate the balance to the BSSS. This will help to insure future editions of this monthly will be around for quite a while (we hope). After all, where would you be without the Badger State Smoke Signals? It's the best source of what's happening on the Wisconsin Amateur Radio Scene.

On another topic, this month we start a new feature, aimed primarily at node operators and others who are interested in such things. It's actually a series designed to help sort out some of the more arcane aspects of node configuration and operation. I'll try not to get too technical so that the "regular user" won't get lost. We'll deal with the more nebulous areas of node operation and touch on recommended settings, while passing by the stuff like node aliases. I'll also take questions in this series, so if there is something that you'd like to see discussed here, by all means, let me know.

Two months ago I put a survey on this page, one designed to discover why we have seen such a drop-off of packet activity. As of mid-February, I have received 3 responses, for which I am grateful. Thanks to Bill AF9B, Dale WB9NRK and Dave, N9ZHZ for taking the time to reply. Here is a bit of a summary of what they had to say.

Bill AF9B gave the most complete response. He cites the convenience of packet mail, and that is what drew him to packet. His primary use of packet involves packet mail and keyboard chatting. He also notes that packet generally does not need a powerful computer to work well, and he appreciates the fact that an old computer can be kept from the digital graveyard when used for packet.

Bill goes on to say that the biggest problems he has had with packet involved radio setup and interfacing it with the computer. He had a little bit of difficulty setting things up early on, but apparently he has gotten past this as he still uses packet. And he says the one thing he would like to see is more local keyboard-to-keyboard chats.

Dale WB9NRK still uses packet, although not as much as he used to. He divides his time between SSB

Voice, CW, Packet, MFSK and PSK31, among other modes. He feels that the drop-off of packet activity is primarily due to the Internet. He also notes that he is active in traffic handling nets, and has seen a similar drop-off of activity there, also coinciding with the arrival of reasonably priced Internet service.

Dave N9ZHZ says his interest in packet started with his involvement in Winnebago County ARES. He enjoys the weather updates he gets through the KB9BYQ Internet gateway, which fits hand-and-glove with his Skywarn interest and activities. Winnebago county ARES also utilizes APRS in their operations, and he uses that as well.

I certainly appreciate these responses and would like more. I am particularly interested in hearing from folks who have packed up or sold their TNCs and are not currently operating this mode. If you know someone who fits into this category, I would really appreciate you taking the time to talk to them about why they left packet and forwarding their comments to me.

And of course, I always like to hear from fellow packet operators, regardless of the topic. Packet related news is also welcome. You can mail me at one of the addresses at the top of the page with your survey responses, news, or just plain chit-chat.

That's it for this month. Until next time, 73 from Andy.

## Net/Rom Node Information for the Sysop Part One

by Andy Nemec, KB9ALN

### Introduction:

This series is designed to help node operators understand the more complex aspects of node configuration and operation, perhaps explained in an easy-to-understand

fashion. In addition to the explanations, you will find some WAPR recommendations on these more arcane settings so that you will find interfacing to the network a little easier.

This discussion assumes you know some basics - like what an alias is and what some basic operations entail. It is centered around the popular TheNet X-1J series of nodes, which are in wide use throughout Wisconsin. We won't discuss much of the security aspects of node operation, just some general security concepts. While this series is not specifically aimed at the node user, it can be a good resource for the casual user who wants to know more about nodes.

That said, we'll begin (and continue) alphabetically. The first and second installments deal with one of the most misunderstood node configuration commands - ACL. We'll take two parts to discuss this command as it is so complex and requires a lot of attention to function properly.

### What it is:

ACL is a mechanism for controlling access to nodes by users or other nodes. Although the X-1J manual does not explain what the letters mean, I call it "Anti-Connect List". This may or may not be correct, one will have to ask the authors of this firmware to be sure. I'll let you do that, if you're that interested.

### What it Does:

ACL has a list of call-signs and a numerical value associated with each call-sign. This numerical value is called a "mask", and is calculated from individual "bit values" combined with a "default" value. This numerical mask tells the node how to treat that call-sign when a connect request is received from it.

## WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

PLEASE PRINT:

NAME: \_\_\_\_\_ CALL: \_\_\_\_\_ HOME PHONE: (\_\_\_\_) \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

HOME BBS: \_\_\_\_\_ FREQ: \_\_\_\_\_ (Listing your home BBS is important)

MY PACKET STATION OPERATES: \_\_\_\_\_ DAY \_\_\_\_\_ NIGHT \_\_\_\_\_ 24 HOURS

I OPERATE A: \_\_\_\_\_ DIGIPEATER WITH AN ALIAS OF: \_\_\_\_\_

\_\_\_\_\_ FULL SERVICE BBS

PRIMARY PACKET INTEREST/EXPERTISE IS: \_\_\_\_\_

YES: I want to receive Badger State Smoke Signals and I understand that part of my dues will go to pay the subscription. Cost \$20.00.

NO: I do not wish to receive Badger State Smoke signals as part of WAPR membership. Cost \$15.00.

Complete and return this form with your check or money order — \$15.00 for membership only or \$20.00 for membership and Badger State Smoke Signals, made payable to W.A.P.R. to:

Larry Shields, WD9ESU, Treasurer,  
W8929 Highway K  
Lodi, WI 53555



For example, if you want to exclude a user's particular SSID from connecting to the node, you can specify that. You can also bar a user, regardless of the user's SSID. Here's a list of the bit values that are added together to form this numerical mask value, and what they do:

- 0 - Prohibit incoming Level 2 connections
- 1 - Prohibit outgoing Level 2 connections
- 2 - Ignore node broadcasts from this particular station
- 3 - Prohibit Level 3 (node packets) operation from this particular station
- 4 - Prohibit Level 4 incoming connections associated with a particular station
- 5 - Prohibit Level 4 outgoing connections associated with a particular station
- 6 - Ignore a particular station's SSID on the ACL list

Now it's time for some additional discussion before we go any further. Forgive me while I delve into this, however, it is important to understand just what these levels mean in order to use ACL effectively.

Level Two connections can be considered the AX.25 connection between a regular user and a node. The ACL command can prohibit a user from making a connection to or from the node. This corresponds to the bit values of 0 and 1. 0 prohibits regular users from connecting to the node. 1 will allow a user to connect to a node, but will only allow connections to other nodes (not other users).

Level Three connections are basically network management and relay. Setting the 3 bit will disallow relay of network node packets from or to the corresponding station on the ACL list.

Level Four connections are node-to-node connections. If a node call-sign has the 4 ACL bit set as part of the mask value, it won't be able to connect. If this node call-sign has the 5 value set for a node on the ACL list, it will be able to connect to your node, but your node will not be able to connect to it.

The remaining bits should be self-explanatory, ignoring node broadcasts and SSID (Secondary Station Identification) bit do pretty much what you might think.

#### How it works:

So far it seems simple - If you have a troublesome node user with a call-sign of WX9BAD and his ACL value is set to 0 (meaning the aforementioned default value), this call-sign will not be able to connect to the node. However, this user will be able to connect to the node with a call-sign of WX9BAD-1. So specifying a number is only part of the operation - you have to use more than one number in the ACL mask to totally disallow a particular call-sign from connecting to the node.

And that is where our discussion will continue next time, how to set a default and compute the needed ACL mask. Until then, 73 from Andy.

## THE TEST POINT

(continued from page 3)

the 147.15 (+600 KHz, 114.8 PL) repeater. Walk-ins welcome, but if you know you'll be attending, please let us know. Contact: Tom Hrdina, N9GEN, 2373 Willow Ave., Medford, WI 54451. (715) 748-4054. E-mail: Mike, N9GHZ, muzikman@pcpros.net.

#### JEFFERSON HAMFEST

March 18. Tests at the Public Library on Highway 26 (Main Street) at 9 a.m. Test fee \$10 to ARRL/VEC. The library meeting rooms are up the walk behind the library entrance across Main Street from the county courthouse. Talkin on 146.52. Contact: Al Johnson, AA7CS, 920.568.0836. aa7cs@arrrl.net

#### HUDSON, WI (ARRL/VEC)

Sponsor: St. Croix Valley AR Testing Col. Time: Call for time and walk-in info, Contact: Gregory Miller (715)386-9857 Location: St. Croix County Emergency, Government Center by jail, Carmichael Rd. lower level, Hudson, WI 54016. (Information tnx ARRL Web site)

#### WAUSAU, WI-UPDATE NEEDED

Updated information needed.



## Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)  
K9ODK (Robert L. Prine Memorial Call)

Club net: Sundays 8:00 p.m. on 147.315

Raymond J. Matlosz, N9MLZ, Secretary  
450 W. 2nd St., Reedsburg, WI 53959-1500



The February 6, 2001 meeting of the Yellow Thunder Amateur Radio Club, Inc. was called to order at 7:42 p.m. by club president Steve Schulze, N9UDO.

The minutes of the January 3, 2001 meeting were approved. Bill Klinkner, N9KXX gave the treasurer's report, accepted dues payments, and brought several issues for the members information and/or approval. There will be no meetings held in the Civic Center in July and December (dates for a July picnic and a December party will be announced later). Members voted to approve an expenditure of \$120.00 for radio equipment for the EG. A computer and TNC were donated for use in the EG. Members approved purchase of a microphone for a Radio Shack 2 meter rig. There are currently 18 paid members.

OLD BUSINESS: Pete Sweeney, WD9JIB gave a report on the Sauk County ARES/RACES meetings - will be held the third Thursday, 7:30 p.m. in the EOC in March, May and August. He also reported on the equipment donation by Dr. Schultis. A reminder that Dues Are Due.

NEW BUSINESS: Bill Hommel, KA9QFJ had several items for the members to vote on: YODA - Saturday April 8 with set up April 7 in the gym. The club decided not to participate. The 15th annual Circus City Heritage Days will be held May 18-20. The club voted to participate on Saturday May 19th. Bill Klinkner is working on a newsletter. Peter Sweeney was voted in as a member-at-large (congratulations Pete!) A foxhunt will be held in

May and October. Members present voted to rekindle the Zilch Meeting on the fourth Sunday of the month at the Farm Kitchen. First meeting will be held February 25th at 10 a.m. There was a discussion on the type and amount of tickets for the hamfest. An update on the repeater was given (some damage to the transmit antenna).

Meeting adjourned at 8:52 p.m. followed by a presentation by Jim Paul, N9LKY on the Internet.

Next Meeting: Tuesday March 6, 2001, room 18, Baraboo Civic Center. Sunday night net 8 p.m. 147.315. Zilch night Feb 25, 2001 Farm Kitchen 10 a.m. Dues are Due.

Respectfully submitted,  
Raymond J Matlosz, N9MLZ  
Club Secretary

The following members were present:

Bill Hommel	KA9QFJ	Baraboo
Wayne Burgess	N9UDX	Lodi
Jim Paul	N9LKY	Baraboo
Bill Klinkner & Son	N9KXX	Sauk City
Thomas Harrison	N9PQJ	Reedsburg
Steve Schulze	N9UDO	Baraboo
Peter Sweeney	WD9JIB	Reedsburg
Raymond Matlosz	N9MLZ	Reedsburg

#### HAMFEST EXAMS

Cedarburg WI - ORC Hamfest  
Green Bay WI - ARES Hamfest  
Hayward WI - Hayward Hamfest  
Kaukauna WI - Swapfest  
Oak Creek WI - SMARC Hamfest  
Rhineland WI - NWARC Swapfest  
Rockford IL - RARC Hamfest  
Rothschild WI - WVRA Hamfest  
South Milwaukee, WI - SMARC Hamfest  
Stevens Point, WI - CWRA Swapfest  
Waukesha WI - KMRA Swapfest  
Waukesha WI - Midwinter Swapfest  
Dubuque IA - Hamfest

See the Swapfest page for additional information and contact persons.

#### IN THE NEIGHBORHOOD

DUBUQUE, IOWA  
Dubuque Hamfest. Contact: Carl Clark, N0KAX, 2145 Delicia Drive, Dubuque, IA 52001. (319) 557-9149.

#### ROCKFORD/LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. 9:00 a.m. to noon. No new applicants after 11:00 a.m. Walk-ins welcome. Contact: Rusty Cordell, WB9QYV, 1823 Hulin St., Rockford, IL 61102-2619. (815) 968-0080. e-mail WB9QYV@aol.com

#### MINNESOTA TEST INFORMATION

From The Ground Wave, Saint Paul Radio Club

#### Saint Paul Radio Club (SPRC)

TESTING: First Saturday of the month, 8:30 a.m. Contact: Ed VanCleave, W0VC, (612) 636-0108 Test Site: St. Paul Technical College 235 Marshall Ave. St Paul, MN. <http://www.qsl.net/sprc/index.html>

#### Anoka Amateur Radio Club (AARC)

TESTING: Second Saturday of the month. 9 a.m.

Contact: Craig Johnson, AA0ZZ (612) 483-3143 Test Site: Blaine City Hall 9150 Central Ave NE Blaine, MN  
Bloomington Office of Emergency Management

#### Bloomington Amateur Radio Club (BARC)

TESTING: Fourth Saturday of the month, 9 a.m. Contact: Dan Royer, KE0OR (612) 888-9756 Test Site: Fire Station No. 1 94th St. & Nicollet Avenue S. Bloomington, MN

#### Valley Amateur Radio Club (VARC)

TESTING: Second Thursday of the month, 7 p.m. Contact: Bill Martin, AI0D (612) 432-0438 Test Site: Hayes Community Center 14601 Hayes Road Apple Valley, MN

#### W5YI Group

TESTING: Third Tuesday of the month, 6:30 p.m. Contact: Dave Ranney, N0AXL (612) 542-2553 Test Site: Eden Prairie Library 479 Eden Prairie Drive Eden Prairie, MN

#### SE Metro Area Radio Club (SEMARC) TESTING:

Third Saturday of the month, 9 a.m. Contact: Dave Harrell, K0BTE (612) 459-8678 Test Site: Cottage Grove fire Station 8641 80th ST., S. Cottage Grove, MN

The times and places listed above are the usual time and place for each VE team. Occasionally, sessions are canceled or changed. It is a good idea to call ahead to confirm the test time and place.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to [kebnetter@palacenet.net](mailto:kebnetter@palacenet.net).

**Buy it! • Sell it! • Trade it! • Fix it!**

# SWAPFESTS



## 29th ANNUAL MIDWINTER SWAPFEST

WAUKESHA EXPOSITION CENTER  
WAUKESHA, WISCONSIN

SATURDAY  
JANUARY 6, 2001

2000 WINNERS  
Phillip A. Bogacki, KB9KFE  
Milwaukee, WI  
Michael R. Plack, KB9SCH  
Oak Creek, WI

Both sponsored by:  
THE WEST ALLIS RADIO AMATEUR CLUB, INC.  
P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201

## HAM IT UP EVERY SPRING! MADISON SWAPFEST

April 8, 2001

Mandt Community Center  
400 Mandt Parkway • Stoughton, WI

Doors open at 8 a.m.

Sponsored by MARA/W9HSY

P. O. Box 8890

Madison, WI 53708-8890

Swapfest Information Line: (608) 245-8890

SOUTH MILWAUKEE AMATEUR RADIO CLUB

## SWAPFEST 01

2001 ♦ July 7

(Held every July)

American Legion Park

Shepard Avenue • Oak Creek, WI

(414) 762-3235

P. O. Box 102

Extension: Ask for Verne

South Milwaukee, WI 53172

## SEWFARS SWAPFEST

HAM RADIOS • COMPUTERS • ELECTRONICS  
AMATEUR LICENSE EXAMS

SUNDAY, MARCH 4, 2001

8:00 A.M. - 2:00 P.M.

Setup Starts at 6:00 A.M.

For more information, call (414) 835-7035

## The Chicago FM Club presents RADIO EXPO 2001

September 22 and 23

Lake County Fairgrounds, Rts. 45 and 120,  
Grayslake, Illinois

Free parking • Amateur Exams • Talkin 14616/76

Info • Voice mail and FAX: (708) 457-0966

http://www.chicagofmclub.org • P.O. Box 56784, Harwood  
Heights, IL 60656-0724

TRI-COUNTY ARC PRESENTS

## HAMFEST 2001

YOUR SPRING FAVORITE I

Sunday, March 18

Jefferson County Fairgrounds

tricountyarc@globaldialog.com

TCARC 213 Frederick St

Fort Atkinson, WI 53538

920-563-6381

Evenings



formerly known as LAMARSfest

Lake County Fairgrounds / Grayslake, Illinois  
Radio, Electronic, Computer Swapfest

03/25/01

North Shore Radio Club / Box 1066 Highland Park, IL / 60035

Eau Claire Amateur Radio Club

## HAMFEST 2001

Saturday, June 9, 2001

For Information Contact:

Jim Staats KG9RA at 715-838-9108

P.O. Box 1867 Eau Claire, WI 54702-1867

http://www.ecarc.org w9eau@ecarc.org

Ozaukee Radio Club

## 23RD ANNUAL RADIO AND COMPUTER SWAPFEST

Saturday, May 5, 2001

8 a.m. to 1 p.m. • Circle B Recreation Center

Intersection of Highway 60 and County I

Exams by Badger Examiners, c/o Gary Sharbuno,

5119 W. Willow Rd., Brown Deer, WI 53222

Swapfest sponsored by the Ozaukee Radio Club

W55 N865 Cedar Ridge Drive • Cedarburg, WI 53012

## Circus City Swapfest

Sponsored by The Yellow Thunder Amateur Radio Club

Saturday August 11, 2001 • 7 am - Noon

Sauk County Fairgrounds • Baraboo, WI

Vendors • Concessions  
Camping • Free Parking  
Tail Gate Area

\$4 - Advanced  
\$5 - At Gate  
8 Foot Tables - \$5

Steve Schulze, N9UDO  
(608) 356-2313

Bill Klinkner, N9KXX  
(608) 643-6908/643-6453

http://members.baraboo.com/sschulze/hamfest.htm

# PRODUCTS AND SERVICES



## AMATEUR ELECTRONIC SUPPLY

5710 W. Good Hope Rd. • Milwaukee 53223  
Toll Free 1-800-458-0411 • 414-358-0333

The World's largest Ham Dealer  
is located in Wisconsin

and throughout the world at  
www.aesham.com

- Complete Inventories
- Top Trades
- Competitive Pricing
- Quality Used Gear
- Service Department
- Same Day Shipping

**Antenna Service Plus & Tower**  
We'll Treat You Like Family!  
For Professional Installs, Repairs & Removal  
Towers, Satellite, Prewire Cabling, T.V., C.B.,  
Cellular, Construction, Home Theater, Telephone,  
Law Enforcement, Amateur & Business 2 Way.  
1613 10th Street Web: www.go.to/asplus  
Monroe, WI 53566 E-Mail: antennaseservices@yahoo.com  
Ph: 608-329-4500

Mr. NICd's **BATTERIES AMERICA** Mr. NICd

For all your portable power requirements!

www.batteriesamerica.com

Battery Packs for:  
Ham Radio (inserts too!)  
R/C Hobby  
Laptop/Notebook  
Digital Cameras  
Cellular Phone  
Video Camcorder

Address:  
2211-D Parview Road  
Middleton, WI 53562  
(store open 8am - 5pm, M-F)  
Ph: 608-831-3443  
Fax: 608-831-1082  
E-mail: ebyoet@midplains.net

New in stock: EBP-48 NiMH for Alinco; BP-180 NiMH for ICOM; BP-200 NiMH for ICOM;  
FNB-58L for Yaesu; PB-39 NiMH for Kenwood; ADI HT-408 NiMH; FNB-41 NiMH for Yaesu;  
BP-202 for Radio Shack; PB-34 NiMH & PB-13 NiMH for Kenwood; EBP-22 NiMH for Alinco;  
& more! And...the UDQ-8000 Universal Charger! Call for info / pricing, or visit our website!  
Nickel Cadmium / Nickel Metal Hydride / Lithium Ion / Sealed Lead / Alkaline

## VCR SERVICE

### North Freedom Electronics

Same day service by appointment

VCR Cleaning: \$19.95

Computers • Musical Instruments

Stereos • Auto Sound • CDs • CBs

Sorry, no TVs or stacked stereo systems

HOURS MAY VARY - CALL AHEAD

John Schmelzer  
201 E. Walnut, Box 18

(608) 522-4366  
North Freedom WI 53951

## Books Clearance!

50% off list price!

NEW books by ARRL  
and others from the  
past hamfest season.

Computer books 20% off!

Send an S.A.S.E.

Brownsville Sales Co., Inc.  
Rich's General Store and Surplus

Route 2, Highway "H" North • Stanley, WI 54768-9418  
Telephone (715) 644-2112

## TOWER ELECTRONICS

THE HAMS DIME STORE & WHOLESALE TO THE WORLD



ORDERS 1-800-662-3422  
TECH INFO 920-435-3359  
FAX LINE 920-435-2980



SCOTT, KB9AMM & JILL, KB9PZF • EMAIL: PL-259@JUNO.COM  
P. O. BOX 12631 • GREEN BAY, WI 54307-2631  
PRODUCTS FOR HAMS SINCE 1978



## ARRL

Publications **HOTLINE**

Call toll free! 888-277-5289

e-mail: pubsales@arrl.org

Check us out on the Web:

http://www.arrl.org/

- Complete Publications Catalog
- Membership application and services